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LABORATORY

OF THE

INLAND REVENUE DEPARTMENT

OTTAWA, CANADA

BULLETIN No. 216

GROUND COFFEE

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OTTAWA, October 3, 1910.

WM. HIMSWORTH, Esq.,
Acting Deputy Minister of Inland Revenue.

SIR,— I have the honour to submit you herewith a report upon samples purchased throughout Canada in June and July last, as Ground Coffee. The following is a summary statement of the results of their examination:—

Collected by	Sold unground.....	Samples.
mistake.	" as compound.....	2
Found genuine.....		260
" adulterated.....		26
		297

Of 26 samples found adulterated, 15 contained chicory only, and in amount not exceeding 10 per cent. These samples I have thought it right to indicate as *technically adulterated*, since it is fair to assume that no intention to defraud the purchaser exists. An article offered as coffee, should undoubtedly be nothing else than coffee, but so many consumers prefer a small addition of chicory that dealers frequently add an ounce or so to the pound in order to meet a known expectation of the customer.

This does not hold where the amount of chicory present is excessive (I have drawn the limit at 10 per cent), nor does it hold where roasted grain, or other starchy material is added.

The following table shows the results of coffee inspection in Canada since the year 1888:—

Year.	Reported in Bulletin.	Total samples examined.	Found adulterated.	Found genuine.	Percentage found genuine.
1888.....	3	85	41	44	52
1892.....	29	140	55	51	38
1892.....	31	141	39	102	72
1904.....	100	75	19	45	60
1909.....	172	449	45	391	87
1910.....	216	297	26	260	88

Samples not accounted for in the columns headed 'Adulterated' and 'Genuine' were classified as 'doubtful,' or 'sold as compound.' It is very satisfactory to observe that a great improvement in the character of this article is evidenced.

At first sight it might seem practicable, and perhaps even desirable, to fix a limit for chicory, beyond which the addition of chicory to coffee, without declaration of the fact, should be regarded as actual adulteration. Such suggestion will not bear criticism, and the only tenable procedure would seem to be the distinct declaration that chicory is present, whenever it has been added in any quantity however small.

I beg to recommend the publication of this report as Bulletin No. 216.

I have the honour to be, sir,

Your obedient servant,

A. MCGILL,

Chief Analyst.

BULLETIN No. 216—GROUND COFFEE.

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher as given by the Vendor.	Inspector's Report. (Is not an expression of opinion).	RESULTS OF ANALYSIS.			Remarks and Opinion of the Chief Analyst.
				Quantity.	Centre.			Microscopical Examination.	Sp. Gr. of Extract.	Loss in Weight on Evaporation for Starch.	
DISTRICT OF NOVA SCOTIA—R. J. WAUGH, INSPECTOR.											
1910.											
June 29	Ground Coffee	42001	S. Thomson, Dartmouth, N.S.	1 lb		T. S. Eagerbrooks, St. John, N.B.	'Red Cross' brand		1.0091	None	42001 Genuine.
" 29	"	42002	Colin McNab & Co., Dartmouth, N.S.	1/2 "		C. H. Cochran, Ottawa	'McNab's Special'		1.0091	"	42002 "
" 29	"	42003	A. W. Huxtable, Dartmouth, N.S.	1/2 "		Unknown	'White Swan'	Chicoory.	1.0122	"	42003 About 10 p.c. chicory; technically adulterated.
" 29	"	42004	G. A. Ormon, Dartmouth, N.S.	1/2 "		Bower & Bartlett, Boston, Mass.	'Red Shield'		1.0090	"	42004 Genuine.
July 5	"	42005	J. L. Archibald & Son, Halifax, N.S.	1/2 "		Chase & Sanborn, Boston, Mass.	'Seal' brand.		1.0090	"	42005 "
" 5	"	42006	W. J. Hoggard & Son, Halifax, N.S.	1/2 "		"	'No. 1'		1.0091	"	42006 "
" 5	"	42007	T. F. Courtney & Son, Halifax, N.S.	1/2 "		"	'Choice Jamaica'		1.0091	"	42007 "
" 6	"	42008	A. L. Doyle & Co., Halifax, N.S.	1/2 "		"	"		1.0090	"	42008 "
" 6	"	42009	E. B. Tracey, Halifax, N.S.	1/2 "		C. H. Cochran, Ottawa	"		1.0090	"	42009 "
" 6	"	42010	E. Donahoe & Son, Halifax, N.S.	1/2 "		Chase & Sanborn, Montreal.	"		1.0091	"	42010 "
" 6	"	42011	S. T. Craig, Halifax, N.S.	1/2 "		"	'Craig's Special'		1.0090	"	42011 "
" 7	"	42012	Larder, Hubley & Co., Halifax, N.S.	1/2 "		Thos. Wood Co., Montreal.	'Boston Coffee'		1.0090	"	42012 "
" 7	"	42013	Jno. Tobin & Co., Halifax, N.S.	1/2 "		Vendors	'I.N.L.' brand.		1.0091	"	42013 "
" 7	"	42014	A. P. Torrens, Halifax, N.S.	1/2 "		Vendor	Mocha and Java.		1.0093	"	42014 "

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				Quantity.	Cent.			Microscopical Examination.	Sp. Gr. of Extract.	Iodine Reaction for Starch.	

DISTRICT OF PRINCE EDWARD ISLAND—Continued.

1910.	5	Ground Coffee	38735 Wm. Lamont, Montserrat.	15 lb.		Unknown		Chicory.	1.0126	None	38735 About 10 p.c. chicory; technically adulterated.
"	6	"	38736 J. D. Hume, Murray River.	20		"			1.0084	"	38736 Genuine.
"	6	"	38737 Prowse & Son, Murray River.	16		Carvell B. & Co., Charlottetown.			1.0115	"	"
"	7	"	38738 Sanderson & Co., Charlottetown.	20		Vendors			1.0087	"	"
"	7	"	38739 A. Gates & Co., Charlottetown.	20		"			1.0080	"	"

DISTRICT OF NEW BRUNSWICK—J. S. FERGUSON, INSPECTOR.

June 14	Ground Coffee	45241 James Monson, St. John, N.B.	20 lb.			Vendor			1.0082	None	45241 Genuine.
"	14	"	45242 G. H. Humphrey, St. John, N.B.	20		"			1.0092	"	"
"	15	"	45243 Two Barkers, Ltd., St. John, N.B.	15		Vendors			1.0092	"	"
"	16	"	45244 Dearborn & Co., St. John, N.B.	20		"			1.0089	"	"
"	17	"	45245 G. E. Barbour Co., Ltd., St. John, N.B.	20		"			1.0094	"	"
"	17	"	45246 R. A. McKinnon, Fairville, N.B.	20		Vendor			1.0080	"	"

June 23	Ground Coffee	43247	John Dewar & Son, St. George, N.B.	1 lb.	18	Vendor				1 0080	None	43247	Genuine.
"	"	43248	Fred E. Rowe, St. Stephen, N.B.	1/2	20	"	Standard Java			1 0083	"	43248	"
July 5	"	43249	M. E. Doohan, Fred erickson, N.B.	1/2	20	"				1 0089	"	43249	"
"	"	43250	The Yexxa Grocery Co., Fredericton, N.B.	1/2	18	Vendor				1 0080	"	43250	"
"	"	43251	W. S. Skillen, Wood- stock, N.B.	1/2	20	"				1 0090	"	43251	"
"	"	43252	Benjamin Beveridge, Andover, N.B.	1/2	25	T. H. Estabrooks, St. John, N.B.	Estabrook's Red Rose Coffee			1 0093	"	43252	"
"	"	43253	H. N. Dickinson, Perth, N.B.	1/2	20	G. E. Barbour, Co., Ltd., St. John, N.B.	Acorn brand			1 0094	"	43253	"
"	"	43254	Jas. F. McCluskey, Grand Falls, N.B.	1/2	20	Thos. Wood & Co., Boston and Montreal	Windsor Boston Coffee, 'Windsor Co brand, 'Red Shield'			1 0090	"	43254	"
"	"	43255	W. B. McKay & Co., Ltd., Sussex, N.B.	1/2	20	Vendor				1 0091	"	43255	"
"	"	43256	S. C. Guggin, Petit- codiac, N.B.	1/2	20	Vendor				Coffee beans	43256	Not ground coffee	
"	"	43257	J. A. Roy, Moncton, N.B.	1/2	20	White Swan Co., To- ronto	White Swan brand			1 0097	None	43257	Genuine.
"	"	43258	H. T. Brewster, Moncton, N.B.	1/2	20	Vendor				1 0098	"	43258	"

DISTRICT OF QUEBEC E. BELAND, INSPECTOR

June 28	Ground Coffee	36443	Modeste Chapuis, St. Gregoire	1 lb.	20	Pierre Dery, Mont- morency				1 0192	None	36443	About 50 p.c. chicory; adul- terated.
"	"	36444	Francois Lafleur, St. Gregoire	1/2	20	arceise Fortier, Mont- morency				1 0090	"	36444	Genuine.
"	"	36445	Jule Bouclard, St. Gregoire	1/2	20	Unknown				1 0091	"	36445	"
"	"	36446	Ulric Vachon, St. Gregoire	1/2	20	"				1 0192	Present	36446	Adulterated.
"	"	36447	Jos. E. Bergeron, Sault Montmorency	1/2	20	Whitehead & Turner, Quebec				1 0093	None	36447	Genuine.
"	"	36448	Jos. T. Blouin, Sault Montmorency	1/2	20	N. Turcotte & Cie, Que- bec				1 0089	"	36448	"
"	"	36449	Filomon Bernard, Sault Montmorency	1/2	20	Stroud & Son, Montreal				1 0137	"	36449	About 20 p.c. chicory; adul- terated.
"	"	36450	Louis Gironx, Sault Montmorency	1/2	15	Unknown				1 0090	"	36450	Genuine.

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				Quantity.	Cents.			Microscopical Examination.	Sp. Gr. of a 10 per cent Extract.	Iodine Reaction for Starch.		

DISTRICT OF QUEBEC—Continued.

1910	June 28 Ground Coffee	36451	Jos. E. Touchette, ½ lb .. Sault Montmorency	20		J. B. Renaud & Cie, Quebec.	.....	.....	1.0091	None...	36451	Genuine.
"	"	36452	Charles Clouette, Sault ½ " .. Montmorency	20		Thomson, Quebec.	.....	.....	1.0090	"	36452	"
"	"	36453	Joseph Trambly, ½ " .. Charlebourg.	20		Unknown	.....	.....	1.0092	"	36453	"
"	"	36454	Jacques V. Legare, ½ " .. Charlebourg.	20		N. Turcotte & Cie, Quebec.	.....	.....	1.0091	"	36454	"
"	"	36455	Mad. V. J. Morand, ½ " .. Charlebourg.	16		J. B. Renaud & Cie, Quebec.	.....	.....	1.0093	"	36455	"
"	"	36456	Pierre Legare, Charles- ½ " .. bourg.	13		Unknown	.....	.....	1.0090	"	36456	"
"	"	36457	François Jobin fils, ½ " .. Charlebourg.	20		Turcotte frere & Cie, Quebec.	.....	.....	1.0090	"	36457	"
"	"	36458	François-Jobin, Charles- ½ " .. bourg.	20		Unknown	.....	.....	1.0092	"	36458	"
"	"	36459	Jos. O. Savard, St. ½ " .. Ambrise.	20		"	.....	.....	1.0096	"	36459	"
"	"	36460	Henry Ross & Son, ½ " .. Indian Lorret.	20		Whitead & Turner, Quebec.	.....	.....	1.0091	"	36460	"
"	"	36461	Jule Verret, Jeanne ½ " .. Lorret.	20		Aming & Son, Montreal	.....	.....	1.0093	"	36461	"
"	"	36462	François Renaud, ½ " .. Jeune Lorret.	20		N. Turcotte & Cie, Quebec.	.....	.....	1.0090	"	36462	"

DISTRICT OF ST. HYACINTHE—J. C. ROULEAU, INSPECTOR.

June 22	"	"	1301	N. Larive, Farnham...	1 lb.	20	Kearney Bros., Mont- real.	Thistle Blend.	"	1 0108	"	1301	"
" 23	"	"	1302	A. Foisy, St. Jean	1 lb.	20	Chase & Sanborn, Mont- real.	Royal Blend	"	1 0090	"	1302	"
" 23	"	"	1303	Tremblay & Cie, St. Catherine de Hatley.	1 lb.	20	Denault Grain & Produce Co., Sher- brooke.	"	"	1 0091	"	1303	"
" 23	"	"	1304	T. Paradis, Magog...	1 lb.	20	— Lister, Montreal.	"	"	1 0091	"	1304	"
" 24	"	"	1305	D. S. Bachand, Coati- crocke.	1 lb.	20	Chase & Sanborn, Mont- real.	"	"	1 0090	"	1305	"
" 27	"	"	1306	Dme. W. Rochette, Sorel.	1 lb.	20	A. C. Trempie, Sorel...	"	Roasted grain.	1 0111	Present.	1306	Adulterated.
" 27	"	"	1307	J. E. Senecal, St. Joseph de Sorel.	1 lb.	20	C. A. Peltier, St. Joseph de Sorel.	"	"	1 0099	None.	1307	Genuine.
" 27	"	"	1308	Thos. Gill, St. Fran- cois du Lac.	1 lb.	30	A. Comte & Cie, Mont- real.	La Creole Brand.	Chicory.	1 0114	"	1308	About 10 p.c. chicory; tech- nically adulter- ated.
" 28	"	"	1309	Schommer & Cie, Pierre- ville.	1 lb.	14	Laporte Martin & Cie, Montreal.	"	"	1 0090	"	1309	Genuine.
" 28	"	"	1310	E. Barril, Gentilly...	1 lb.	15	L. Chaput fils & Cie, Montreal.	Marked Maracaibo extra de choix, A. Comte & Cie.	Roasted grain.	1 0114	Present.	1310	Adulterated.
" 28	"	"	1311	N. Ricard, St. Gregoire	1 lb.	20	Unknown.	"	"	1 0094	None.	1311	Genuine.
" 29	"	"	1312	Jos. Mahew, Artha- backville.	1 lb.	20	Kearney Bros, Mont- real.	Thistle Blend	"	1 0092	"	1312	"
" 30	"	"	1313	L. E. Thibaudau, Flessisville.	1 lb.	20	L. Chaput fils et Cie, Montreal.	"	"	1 0090	"	1313	"
July 11	"	"	1314	Royer & Fiset, Sher- brooke.	1 lb.	20	Chase & Sanborn, Mon- treal.	"	"	1 0090	"	1314	"
" 11	"	"	1315	Dean & Lacy, Sher- brooke.	1 lb.	20	"	"	"	1 0090	"	1315	"
" 12	"	"	1316	J. E. Roy, D'Iraceli.	1 lb.	20	C. O. Genest et fils, Sherbrooke.	"	"	1 0093	"	1316	"
" 12	"	"	1317	J. H. Dionne, Gar- thby.	1 lb.	20	Chase & Sanborn, Montreal.	"	"	1 0091	"	1317	"
" 13	"	"	1318	R. B. Scott & Sons, Sacktown.	1 lb.	20	Thos. Wood & Co., Ltd. Montreal.	"	"	1 0091	"	1318	"
" 14	"	"	1319	A. W. Girard, La Patrie.	1 lb.	40	W. D. Stroud & Son, Montreal.	Compound Coffee	"	1 0139	"	1319	Sold as com- pound. Con- tains about 20 p.c. chicory.
" 19	"	"	1320	M. Vezina, St. Denis River, Rich.	1 lb.	20	Lacaille, Gendreau et Cie, Montreal.	"	"	1 0096	"	1320	Genuine.
" 19	"	"	1321	Omer Brien, St. Marc.	1 lb.	30	The F. F. Dalley Co., Hamilton.	Coffee mixture.	Roasted grain.	1 0194	Present.	1321	Sold as coffee mixture.

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DISTRICT OF MONTREAL. J. J. COSTIGAN, INSPECTOR.

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				Quantity.	(Units)			Microscopical Examination.	Sp. Gr. of a 10 per cent. Extract.	Reduced Starch.		
1910.												
June 13	Ground Coffee	38902	St. Feldman, 24 Pine Ave. E., Montreal.	15	lb.	National Coffee and Spice Co., Montreal.			1.0079	None	38902	Genuine.
" 15	"	38903	H. Schlachter, 18 Pine Ave. E., Montreal.	15	"	L. Shapack, Montreal.			1.0078	"	38903	"
" 13	"	38904	J. Estocovich, 1195 St. Dominique, Montreal.	13	"	"		Chicory	1.0138	"	38904	Contains about 20 p.c. chicory. Adulterated.
" 13	"	38905	J. A. Marleau, 250 Duluth Ave. E., Montreal.	20	"	W. D. Stroud & Son, Montreal.			1.0074	"	38905	Genuine.
" 13	"	38906	J. Martineau, 913 St. Andre, Montreal.	20	"	Unknown.			1.0074	"	38906	"
" 13	"	38907	W. Chartrand, 1127 St. Andre, Montreal.	20	"	"			1.0079	"	38907	"
" 13	"	38908	H. Chevalier, 439 Marie Anne E., Montreal.	20	"	"		Chicory	1.0162	"	38908	Contains about 30 p.c. chicory. Adulterated.
" 13	"	38909	L. J. Phaneuf, 511 Mount Royal Ave. E., Montreal.	20	"	Chase & Sanborn, Montreal.			1.0067	"	38909	Genuine.
" 13	"	38910	A. Mercier, 621 Mount Royal Ave. E., Montreal.	15	"	J. J. Duffy & Co., Montreal.			1.0089	"	38910	"
" 13	"	38911	A. Renillard, 578 Marie Anne E., Montreal.	20	"	"			1.0090	"	38911	"
" 14	"	38912	P. Rivet, Joliette, P.Q.	20	"	E. D. Marceau, Montreal.			1.0091	"	38912	"
" 14	"	38913	J. A. Lavallee, Joliette, P.Q.	20	"	Unknown			1.0088	"	38913	"

"	14	"	39914	Pierre Poirrier, St. Gabriel de Brandon, P.Q.	$\frac{1}{2}$ lb.	18	.....	.....	1'0087	"	39914	"
"	14	"	39915	J. N. Prevost, St. Gabriel de Brandon, P.Q.	$\frac{1}{2}$ lb.	20	.....	.....	1'0094	"	39915	"
"	16	"	39916	A. Poirrier, Valleyfield, P.Q.	$\frac{1}{2}$ lb.	20	L. Gendron, Valleyfield	.....	1'0115	.....	39916	Contains less than 10 p.c. chicory; technically adulterated.
"	16	"	39917	N. Chartrand, Valleyfield, P.Q.	$\frac{1}{2}$ lb.	20	S. H. Ewing & Sons, Montreal	.....	1'0093	None	39917	Genuine.
"	18	"	39918	J. D. Campbell & Co., Lachine.	$\frac{1}{2}$ lb.	20	White Swan Spice and Cereal, Ltd., Toronto	.....	1'0083	"	39918	"
"	18	"	39919	E. Lavigne, Lachine.	$\frac{1}{2}$ lb.	18	L. Chaput fils & Cie, Montreal	Owl brand	1'0110	"	39919	Contains less than 10 p.c. chicory; technically adulterated.
"	20	"	39920	D. Hetu, St. Agathe des Monts.	$\frac{1}{2}$ lb.	20	.....	Seal brand	1'0092	"	39920	Genuine.
"	20	"	39921	J. H. Giroux, St. Agathe des Monts.	$\frac{1}{2}$ lb.	20	Vendor	.....	1'0092	"	39921	"

DISTRICT OF OTTAWA—J. A. RICKEY, INSPECTOR.

June 11	Ground Coffee	43001	H. T. Murray Co., Ltd., Brockville.	$\frac{1}{2}$ lb.	20	Vendor	.....	.....	1'0090	None	43001	Genuine.	
"	11	"	43002	McHenry's, Brockville.	$\frac{1}{2}$ "	20	Vendor	.....	.....	1'0089	"	43002	"
"	15	"	43003	R. E. Powell, Elgin St., Ottawa.	$\frac{1}{2}$ "	20	"	.....	.....	1'0090	"	43003	"
"	15	"	43004	J. C. Wilson, Elgin St., Ottawa.	$\frac{1}{2}$ "	20	"	.....	.....	1'0090	"	43004	"
"	15	"	43005	D. A. Youngblood, Elgin St., Ottawa.	$\frac{1}{2}$ "	20	McLaren's, Hamilton.	.....	.....	1'0098	"	43005	"
"	15	"	43006	J. H. Lashley, 51 Main St., Ottawa.	$\frac{1}{2}$ "	20	Vendor.	After purchase— vendor stated sample contained about 1 oz. chicory.	Chicory	1'0137	"	43006	Contains about 20 p.c. chicory. Adulterated.
"	15	"	43007	Strond's, Hull, P.Q.	$\frac{1}{2}$ "	20	"	After purchase— vendor stated sample contained chicory.	"	1'0114	"	43007	Contains less than 10 p.c. chicory; tech- nically, adul- terated.
"	15	"	43008	O. Lemieux, Hull, P.Q.	$\frac{1}{2}$ "	20	"			1'0092	"	43008	Genuine.

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				Quantity.	Cents.			Microscopical Examination.	% of a 10 per cent Extract.	Iodine Reaction for Starch.		
1910.	15 Ground Coffee	43009	P. H. Charron, Hull, P.Q.	$\frac{1}{2}$ lb.	20	Vendor.			1.0088	None.	43009	Genuine.
"	"	43010	Nelson Grayburn, Billings Bridge.	$\frac{1}{2}$ "	15	J. M. Lowes, Toronto.	J. M. Lowes coffee.		1.0087	"	43010	"
"	"	43011	G. E. Pelton, Billings Bridge.	$\frac{1}{2}$ "	20	F. J. Castle Co., Ottawa.	Chase & Sanborn's coffee.		1.0087	"	43011	"
"	"	43012	D. G. Cowan, Billings Bridge.	$\frac{1}{2}$ "	18	J. M. Lowes, Toronto.	J. M. Lowes coffee.		1.0090	"	43012	"
"	"	43013	Leacy & Shields, Pen- broke.	$\frac{1}{2}$ "	20	Vendors			1.0091	"	43013	"
"	"	43014	Fenton & Smith, Pen- broke.	$\frac{1}{2}$ "	20	"			1.0087	"	43014	"
"	"	43015	D. J. Gillies, Cornwall wall.	$\frac{1}{2}$ "	20	Vendor			1.0088	"	43015	"
"	"	43016	Fawkes & Co., Cornwall.	$\frac{1}{2}$ "	20	Vendors			1.0090	"	43016	"
"	"	43017	Casselman Bros., Morrisburg.	$\frac{1}{2}$ "	18	Vendors			1.0089	"	43017	"
"	"	43018	Bradfield Bros., Morrisburg.	$\frac{1}{2}$ "	18	"			1.0088	"	43018	"
"	"	43019	C. Whitney & Son, Prescott.	$\frac{1}{2}$ "	18	"			1.0089	"	43019	"
July	"	43020	J. Mayberry & Co., Prescott.	$\frac{1}{2}$ "	18	"			1.0089	"	43020	"

DISTRICT OF OTTAWA—Continued.

DISTRICT OF KINGSTON—JAS. HOGAN, INSPECTOR.

June 16	Ground Coffee	45701	Stroud Bros., Kingston.	King- ston.	King- ston.	1 lb.	20	Stroud Bros., Montreal			1-0092	None	45701	Genuine.
"	"	45702	P. A. Hafner, Kingston.	King- ston.	King- ston.	1 lb.	15	J. M. Lowe, Toronto.			1-0090	"	45702	"
"	"	45703	J. McCulla, Kingston.	King- ston.	King- ston.	1 lb.	20	Todhunter & Mitchell, Toronto.			1-0091	"	45703	"
"	"	45704	J. Lemmon, Kingston.	King- ston.	King- ston.	1 lb.	10	Dalton Bros., Toronto.			1-0120	"	45704	Contains about 15 p.c. chicory adulterated.
"	"	45705	D. B. Gage, Kingston.	King- ston.	King- ston.	1 lb.	20	Geo. Robertson & Son, Kingston.			1-0094	None	45705	Genuine.
"	"	45706	Mrs. Powers, Kingston.	King- ston.	King- ston.	1 lb.	20	Gorman & Eckert, Ltd. London.			1-0086	"	45706	"
"	"	45707	R. Richardson, Nap- sance.	King- ston.	King- ston.	1 lb.	15		Coffee was part of stock, bought from former proprietor W. Coxall.		1-0092	"	45707	"
"	"	45708	J. Paisley, Nap- sance.	King- ston.	King- ston.	1 lb.	20				1-0108	"	45708	Contains a trace of chicory, technically adulterated.
"	"	45709	R. Elvins, Belleville.	Belleville.	Belleville.	1 lb.	20	Unknown.			1-0091	None	45709	Genuine.
"	"	45710	A. G. Vermilyea, Belleville.	Belleville.	Belleville.	1 lb.	20	Pure Gold Co., Toronto			1-0084	"	45710	"
"	"	45711	W. Patterson, Belleville.	Belleville.	Belleville.	1 lb.	20	C. H. Cochrane, Ottawa.			1-0085	"	45711	"
"	"	45712	Wallbridge & Clarke, Belleville.	Belleville.	Belleville.	1 lb.	20	Chase & Sanborn, Toronto.			1-0088	"	45712	"
"	"	45713	T. A. Fisher, Lindsay.	Lindsay.	Lindsay.	1 lb.	20	Todhunter & Mitchell, Toronto.			1-0088	"	45713	"
"	"	45714	Adams Bros., Lindsay.	Lindsay.	Lindsay.	1 lb.	20	Chase & Sanborn, Montreal.			1-0087	"	45714	"
"	"	45715	J. Flurey, Lindsay.	Lindsay.	Lindsay.	1 lb.	20	J. Sloan, Toronto.			1-0091	"	45715	"
"	"	45716	A. C. Babcock, Lindsay.	Lindsay.	Lindsay.	1 lb.	20	E. Blain, Toronto.			1-0088	"	45716	"
"	"	45717	H. S. Burnham, Peter- borough.	Peter- borough.	Peter- borough.	1 lb.	20	Perkins Ince & Co., Peterboro.			1-0092	"	45717	"
"	"	45718	H. Bradshaw, Peter- borough.	Peter- borough.	Peter- borough.	1 lb.	20	T. Thunter & Mitchell, Toronto.			1-0088	"	45718	"
"	"	45719	A. J. Warne, Peter- borough.	Peter- borough.	Peter- borough.	1 lb.	20	McLaren, Hamilton.			1-0-90	"	45719	"
"	"	45720	S. Froot, Port Hope.	Port Hope.	Port Hope.	1 lb.	20	E. Blain, Toronto.			1-0088	"	45720	"

BULLETIN No. 216—GROUND COFFEE.

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Inspector's Report. (Is not an expression of opinion).	RESULTS OF ANALYSIS.			No. of Sample.	Remarks and Opinion of the Chief Analyst.
				Quantity.	Cents.		Microscopical Examination.	Sp. Gr. of a Extract.	Iodine Reaction for Starch.		
DISTRICT OF TORONTO—H. J. DAGER, INSPECTOR.											
1910											
June 16	Ground Coffee	45057	C. E. Jones, Unbridge St., Hamilton.	1 lb.	20	R. B. Hayhoe & Co., Toronto.	Sample from tin, labelled "Golden Eagle" Coffee, J. M. Lowes, Ltd., Toronto. Sold as ground coffee.	1.0119	None	45057	Contains about 10 p.c. chicory, technically adulterated.
" 17	"	45058	S. W. Siddall, Hughson St., Hamilton.	$\frac{1}{2}$ lb.	15	Vendor.		1.0094	"	45058	Genuine.
" 18	"	45059	The Whitfield Tea and Specialty Co., Hamilton.	$\frac{1}{2}$ lb.	20			1.0112	"	45059	Contains a trace of chicory, technically adulterated.
" 21	"	45060	Mrs. C. Fitzpatrick, Arthur St., Toronto.	$\frac{1}{2}$ lb.	20	Minto Bros., Toronto.		1.0090	"	45060	Genuine.
" 23	"	45062	S. J. McMoran, Alderdale.	$\frac{1}{2}$ lb.	20	The J. M. Lowes Co., Ltd., Toronto.	Vendor bought as pure coffee.	1.0093	"	45062	"
" 27	"	45063	J. B. Johnson, Orillia.	$\frac{1}{2}$ lb.	20	R. B. Hayhoe & Co., Toronto.		1.0094	"	45063	"
" 29	"	45064	H. C. Jefferies, Parliament St., Toronto.	$\frac{1}{2}$ lb.	15	Unknown.		1.0090	"	45064	"
" 29	"	45065	A. L. Anderson, Dundas St. W., Toronto.	$\frac{1}{2}$ lb.	15	Club Coffee Co., Toronto.		1.0103	"	45065	"
" 30	"	45066	Jas. Bishop, Oshawa.	$\frac{1}{2}$ lb.	20	Thos. Kinnear & Co., Toronto.		1.0097	"	45066	"
" 30	"	45067	W. B. Pringle, Whitby.	$\frac{1}{2}$ lb.	20	The Eby Blain Co., Ltd., Toronto.		1.0096	"	45067	"
July 1	"	45068	John Groves, Gravenhurst.	$\frac{1}{2}$ lb.	20	Chase & Sanborn, Montreal.	Seal Brand.	1.0091	"	45068	"

BULLETIN No. 216—GROUND COFFEE.

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher as given by the Vendor.	Inspector's Report. (Is not an expression of opinion).	RESULTS OF ANALYSIS.			No. of Sample.	Remarks and Opinion of the Chief Analyst.
				Quantity.	Cents.			Microscopical Examination.	Sp. Gr. of Extract.	Boiling Residue for Starch.		

DISTRICT OF LONDON *Continued.*

1910.	"	14	Ground Coffee	44779	McGee & Cummings, grocers, Wingham.	20 lb.	Chase & Sanborn, Montreal.	.....	1.0694	None	44779	Genuine.
"	"	14	"	44782	Fred. Bender, Liston well.	40	Unknown	.....	1.0691	"	44782	"
"	"	14	"	44783	J. H. McDonald, Liston towel.	40	Jas. Turner & Co., Hamilton.	.....	1.0691	"	44783	"
"	"	19	"	44790	J. M. Adam, St. Mary's	20	Vendor	.....	1.0690	"	44790	"
"	"	19	"	44791	A. Beattie & Co., St. Mary's	20	Chase & Sanborn, Montreal.	.....	1.0691	"	44791	"
"	"	20	"	44794	Michael Durkin,	20	Thos. Wood, Montreal.	.....	1.0691	"	44794	"
"	"	21	"	44799	Michael Kinghamer, Dublin.	20	Gorman & Eckert, London.	.....	1.0690	"	44799	"

DISTRICT OF WINDSOR—JOHN TALBOT, INSPECTOR.

June	20	Ground Coffee	42324	A. Raines, Essex	13 lb.	Ted Hunter & Mitchell, Toronto.	.....	1.0689	None	42324	Genuine.
"	20	"	42327	J. J. Foster, Leamington	15	M. Masurel & Co., London.	.....	1.0688	"	42327	"
"	27	"	42342	Alfred Johnson, London	20	Pure Gold Mfg. Co., Toronto.	.....	1.0691	"	42342	"
"	27	"	42343	F. W. Paul & Son, London.	20	Gorman Eckert & Co., London.	.....	1.0690	"	42343	"
"	27	"	42347	T. W. Vincent, London.	20	Canada Spice & Grocery Co., London.	.....	1.0692	"	42347	"

27	42348	Fonger & Taylor, London	20	Tedlammer & Mitchell, Toronto	1 0091	42348	
27	42402	Robt. Parsons, London	25	White Swan Cereal Co., Toronto	1 0160	Present	42402 Labelled, a mix. type, in size
27	42403	W. Davies, London	15	Davies Co., Toronto	1 0112	None	42403 Contains less than 40 per cent chicory technically adulterated
27	42405	A Kiloru, London	13	J. E. Connor, London	1 0090		42405 Genuine
27	42408	H. Fountaine, London	13	Gorman Eckert & Co., London	1 0091		42408
27	42409	Wm. Hayes, London	13	Balfour & Co., Hamilton	1 0092		42409
28	42413	P. Purvis, London	13	A. M. Smith & Co., London	1 0090		42413
28	42415	J. McKenzie, London	15	Gorman Eckert & Co., London	1 0089		42415
28	42416	Connor Bros., London	13	Unknown	1 0091		42416
28	42419	F. Harley & Son, London	15	C. H. Cochrane & Co., Ottawa	1 0093		42419
28	42421	E. Noel, London	13	Thos. Wood, Montreal	1 0092		42421
28	42422	Wm. Longhrey, London	15	Unknown	1 0091		42422
28	42423	Fulcher & Northmore, London	15	A. M. Smith & Co., London	1 0089		42423
28	42425	Kidner & Co., London	13	Gorman Eckert & Co., London	1 0091		42425
28	42426	Mrs. Hobbins, London	20	Canada Spice & Grocery Co., London	1 0090		42426

DISTRICT OF MANITOBA—A. C. LARIVIERE, INSPECTOR.

June 23	Ground Coffee	43467	Collins & Munroe, Miami, Fla.	20	The Blue Ribbon Co., Winnipeg	1 0094	None	43467	Genuine
" 30	"	43468	A. C. Duke, Beach, Wis.	20	The Hudson Bay Co., Winnipeg	1 0092	"	43468	"
" 30	"	43469	Wm. Robinson & Co., Ltd., Winnipeg	26	Gold Standard Mfg. Co., Winnipeg	1 0092	"	43469	"
July 6	"	43470	Duncan & Hunter, St. James, Minn.	15	Unknown	1 0090	"	43470	"
" 6	"	43471	Gregory & Co., James, Minn.	20	Foley Bros. & Larson, Winnipeg	1 0091	"	43471	"
" 7	"	43472	A. Biggins, Elgin, Minn.	20	The D. S. Co., Winnipeg	1 0090	"	43472	"

BULLETIN No. 216—GROUND COFFEE.

Date of Collection.	Name of Sample.	Name and Address of Vendor.	Cost.		Inspector's Report. (Is not an expression of opinion).	RESULTS OF ANALYSIS.			Remarks and Opinion of the Chief Analyst.
			Quantity.	Cents.		Microscopical Examination.	Sp. Gr. of Extract.	Iodine Reaction for Starch.	

DISTRICT OF MANITOBA—Continued

1910	July	8 Ground Coffee	43473	Ross & Cunningham, Elgin.	1 lb.	20	Campbell Bros. & Wilson, Winnipeg.	1.0090	None.	43473	Genuine.
"	"	"	43474	McIntyre & Costell, Belmont.	1/2 "	20	The Godville Co., Winnipeg.	1.0089	"	43474	"
"	"	"	43475	G. Tunoth, Belmont.	1/2 "	20	A. MacDonald & Co., Winnipeg.	1.0091	"	43475	"
"	"	"	43476	The City Tea & Coffee Co., Winnipeg.	1/2 "	15	Vendors.	1.0091	"	43476	"
"	"	"	43477	W. A. Wales, Winnipeg.	1/2 "	15	Gold Standard Mfg. Co., Toronto.	1.0092	"	43477	"
"	"	"	43478	Bell & Gregg, Winnipeg.	1/2 "	15	Vendors.	1.0088	"	43478	"
"	"	"	43479	J. Lezak, Winnipeg.	1/2 "	10	Foley Bros. & Larsen, Winnipeg.	1.0091	"	43479	"
"	"	"	43480	Moffett & Douglas, Winnipeg.	1/2 "	20	Gold Standard Mfg. Co., Winnipeg.	1.0091	"	43480	"
"	"	"	43481	Philip Moss, Winnipeg.	1/2 "	20	The White Star Coffee Co., Winnipeg.	1.0089	"	43481	"
"	"	"	43482	J. A. Partington, Winnipeg.	1/2 "	20	Foley Bros. & Larsen, Winnipeg.	1.0090	"	43482	"
"	"	"	43483	Laudin Bros., Logan Ave., Winnipeg.	1/2 "	20	Chase & Sanborn, Montreal.	1.0091	"	43483	"
"	"	"	43484	B. Dilman, Selkirk.	1/2 "	20	Vendor.	1.0090	"	43484	"
"	"	"	43485	B. Lennix, Winnipeg.	1/2 "	20	The Blue Ribbon Mfg. Co., Winnipeg.	1.0091	"	43485	"
"	"	"	35899	Wm. Epstein, Winnipeg.	1/2 "	20	"	1.0091	"	35899	"

DISTRICT OF CALGARY—R. W. FLETCHER, INSPECTOR.

July	5	Ground Coffee	43736	Craddock & Viner, ½ lb.	20	Vendors	1 0050	None	43738	Genuine
"	5	"	43737	Lethbridge, George Keir & Co., ½ "	20	"	1 0051	"	43737	"
"	5	"	43738	Lethbridge, A. Macdonald & Co., ½ "	20	"	1 0053	"	43738	"
"	5	"	43739	Lethbridge, Hudson's Bay Co., ½ "	20	"	1 0050	"	43739	"
"	13	"	43741	Lethbridge, R. Dunn, Medicine Hat	25	Vendor	1 0050	"	43741	"
"	13	"	43742	The D. Milne Co., ½ "	25	Vendors	1 0051	"	43742	"
"	22	"	43743	Lud., Medicine Hat, W. H. Hayes, Calgary ½ "	20	Young Bros., Vancouver, B.C.	1 0051	"	43743	"
"	22	"	43744	D. Jackson, Calgary ½ "	25	Wood & Green, Cal.	1 0050	"	43744	"
"	22	"	43745	E. A. Rosser, Calgary ½ "	25	Gary, Vendor	1 0050	"	43745	"
"	22	"	43746	J. T. Macdonald, Cal. ½ "	15	"	1 0050	"	43746	"
"	22	"	43747	Speer Bros., Calgary ½ "	25	Vendors	1 0050	"	43747	"
Aug.	8	"	43748	C. E. Compton, Wetaskiwin ½ "	25	Vendor	1 0051	"	43748	"
"	8	"	43749	Thibodeau Trading Co., Wetaskiwin ½ "	25	Vendors	1 0054	"	43749	"
"	9	"	43750	Douglas Bros., Ltd., Strathcona, Alta. ½ "	25	"	1 0050	"	43750	"
"	9	"	43751	A. H. Richards & Co., Strathcona, Alta. ½ "	25	A. H. Richards & Co.	1 0050	"	43751	"
"	10	"	43752	A. Livingston, Edmonton ½ "	25	Vendor	1 0051	"	43752	"
"	10	"	43753	Fred. Schattner, Edmonton ½ "	25	"	1 0052	"	43753	"
"	10	"	43754	Atkin Bros., Edmonton ½ "	25	Vendors	1 0050	"	43754	"
"	10	"	43755	Wm. Hencher, Edmonton ½ "	25	Vendor	1 0050	"	43755	"
"	10	"	43801	Hallier & Aldridge, Edmonton ½ "	25	Vendors	1 0050	"	43801	"

DISTRICT OF VANCOUVER—JNO F. POWER, INSPECTOR.

June	21	Ground Coffee	37336	R. L. Carter, Haney, ½ lb.	20	Empress Mfg. Co., Vancouver	1 0053	None	37336	Genuine
"	21	"	37337	G. W. Allison, Haney, ½ lb.	20	W. Braid & Co., Vancouver	1 0052	"	37337	"

BULLETIN No. 216—GROUND COFFEE.

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Quantity.	Name and Address of Manufacturer or Furnisher as given by the Vendor.	Inspector's Report. (Is not an expert opinion of opinion.)	RESULTS OF ANALYSIS.				Remarks and opinion of the Chief Analyst.
							Microscopical Examination.	Sp. Gr. of Extract.	Loss on Solubility.	No. of Sample.	
DISTRICT OF VANCOUVER <i>Continued.</i>											
1910.											
"	22 Ground Coffee.	37935	E. Baker & Co., Vancouver.	20	W. Braid & Co., Vancouver.			1.0086	None.	37935	Genuine.
"	"	37936	Mrs. McWhinney, Vancouver.	20	Kelly Douglas & Co., Vancouver.			1.0094	"	37936	"
"	"	37937	Leining Fawcett & Co., Vancouver.	20	"			1.0090	"	37937	"
"	"	37938	Wilson, Lachner, B.C.	20	W. Braid & Co., Vancouver.			1.0136	Chicory.	37938	Contains more than 15 per cent. chicory adulterated.
"	"	37939	Hutchinson, Lachner, B.C.	20	Peterson Coffee & Spice Mills, Victoria, B.C.			1.0089	"	37939	Genuine.
"	"	37940	Rabinowitz, Steveston, B.C.	20	North West Spice Mills.			1.0091	"	37940	"
"	"	37941	Elaine Trading Co., Elbourne, B.C.	20	Wm. Braid & Co., Vancouver.			1.0106	Chicory.	37941	Contains a trace of chicory, technically adulterated.
"	"	37942	G. A. Welsh, Sapperton, B.C.	20	"			1.0088	"	37942	Genuine.
"	"	37943	T. S. Annandale, New Westminster, B.C.	20	Wm. Braid & Co., Vancouver.			1.0089	"	37943	"
"	"	37944	Geo. Adams, New Westminster, B.C.	20	Kelly Douglas & Co., Vancouver.			1.0087	"	37944	"
"	"	37945	West End Grocery, New Westminster, B.C.	20	Wm. Braid & Co., Vancouver.			1.0089	"	37945	"

"	27	"	37949 J. Quay, New West- minster, B.C.	20	Kelly, Douglas & Co., Vancouver.	1 0000	37949	"
"	27	"	37950 A. Gandin, New West- minster, B.C.	10	Unknown	1 0000	37950	"
"	27	"	37951 N. C. Nilson, New Westminster, B.C.	15	"	1 0000	37951	"
"	27	"	37952 Larsen & Anne, New Westminster, B.C.	15	Wm. Braid & Co., Van- couver.	1 0000	37952	"
"	27	"	37953 Herbert & Moore, New Westminster, B.C.	15	Earle & Co., Victoria	1 0000	37953	"
"	28	"	37954 Wells & Co., Van- couver.	25	Wm. Braid & Co., Van- couver.	1 0105	37954	Contains a trace of chicory; tech- nically adulter- ated.
"	28	"	37955 Jno. F. May, Van- couver.	25	"	1 0000	37955	Genuine.

DISTRICT OF VICTORIA - D. OSULLIVAN, INSPECTOR

June 20	Ground Coffee	41679	Windsor Grocery Co., Victoria, B.C.	20	Pioneer Coffee & Spice Mills, Victoria, B.C.	Chicory	Vendor stated sample contained chicory.	1 0115	None	41679	Contains about 10 p. c. chicory. Sold as com- pound.
"	"	41680	The Saunders Grocery Co., Ltd., Victoria, B.C.	20	Chase & Sanborn, Montreal.	"	"	1 0004	"	41680	Genuine.
"	"	41681	The West End Grocery Co., Ltd., Victoria, B.C.	20	W. Braid & Co., Van- couver.	"	"	1 0000	"	41681	"
"	"	41682	H. D. Kirkham, Vic- toria, B.C.	20	Hallam & Wyndham, Victoria.	"	"	1 0006	"	41682	"
"	"	41683	Harrison & McDonald, Victoria, B.C.	20	A. Shilling & Co., San Francisco, Cal.	"	"	1 0000	"	41683	"
"	"	41684	Acton Bros., Victoria, B.C.	20	Young Bros., Van- couver.	"	"	1 0000	"	41684	"
"	"	41685	Wm. B. Hall, Vic- toria, B.C.	20	Empress Mfg. Co., Vancouver.	"	"	1 0000	"	41685	"
"	"	41686	Copas & Young, Vic- toria, B.C.	20	The W. H. Malkin Co., Vancouver.	"	"	1 0000	"	41686	"
"	"	41687	F. C. Plummer, Vic- toria, B.C.	20	Young Bros., Van- couver.	"	"	1 0002	"	41687	"
"	"	41688	L. Dickinson, Victoria, B.C.	20	Pioneer Coffee & Spice Mills, Victoria, B.C.	"	"	1 0004	"	41688	"
"	"	41689	J. Remon, Victoria, B.C.	20	The W. A. Jamieson Coffee Co., Victoria, B.C.	Trace of chicory.	Vendor stated sample was not sold as pure coffee, as it contained a little chicory.	1 0100	"	41689	Contains a trace of chicory. Sold as compound.

BULLETIN No. 216—GROUND COFFEE.

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				Quantity.	Cents.			Microscopical Examination.	Sp. Gr. of a 10 per cent. Extract.	Iodine Reaction for Starch.		No. of Sample.
DISTRICT OF VICTORIA—Continued.												
1910.												
June 24	Ground Coffee	41690	E. G. Bailey, Victoria, B.C.	1 lb.	20	Empress Mfg. Co., Vancouver			1.0060	None	41690	Genuine.
" 24	"	41691	Erskine & Co., Victoria, B.C.	1/2 "	20	Victoria Coffee & Spice Mills, Victoria, B.C.			1.0053	"	41691	"
" 25	"	41692	A. Pool, Victoria, B.C.	1/2 "	20	Empress Mfg. Co., Vancouver			1.0091	"	41692	"
" 25	"	41693	Dixie H. Ross & Co., Victoria, B.C.	1/2 "	20	J. A. Folger & Co., San Francisco, Cal.			1.0092	"	41693	"
" 26	"	41694	Carl B. Jameson, Victoria, B.C.	1/2 "	20	The W. A. Jameson Coffee Co., Victoria, B.C.			1.0080	"	41694	"
" 26	"	41695	Woods & White, Victoria, B.C.	1/2 "	20	"			1.0063	"	41695	"
" 28	"	41696	Hallam & Wyndham, Victoria, B.C.	1/2 "	20	J. W. Berry, Vancouver, B.C.			1.0091	"	41696	"
" 28	"	41697	J. J. Bradford, Victoria, B.C.	1/2 "	20	Empress Mfg. Co., Vancouver, B.C.			1.0062	"	41697	"
" 18	"	41698	W. A. Jameson Coffee Co., Victoria, B.C.	1/2 "	20	Thos. B. Greening & Co., Toronto, Ont.			1.0094	"	41698	"